

IRTC950 Professional Thermal Imaging Camera with 384 x 288 Resolution

Infrared / Visible Light / Picture in Picture / Fusion display modes

Key Features

Thermal Resolution

384 x 288 (110,592 pixels) with ≤ 40 mk Thermal Sensitivity (NETD).

Auto Fusion Technology

Automatically calculates the optimal mix ratio between IR and visible images.

Touchscreen Display

3.5" (89mm) manual focus touchscreen LCD with 640 x 480 resolution.

Temperature Markers

- Center spot marker.
- 3 manual spots.
- 3 areas of interest
- 2 line analysis.
- Auto hot/cold markers for rapid issue detection.

Digital Zoom

1 to 32X continuous zoom.

Annotation

Voice and text annotation supported (requires external microphone).

Laser Distance Meter

Built-in laser for precise distance measurement.

Multi-Language Menu

Intuitive interface in six languages—English, Italian, Spanish, French, German, and Chinese.

Real-Time Features

Built-in real-time clock and calendar.

On-Screen Gallery

Built-in gallery for reviewing captured videos and images.

Connectivity Options

- USB interface or WiFi (Android OS only) for transferring videos (mp4) and images (jpg/HIR).
- Live streaming to a PC.

HDMI Output

Connects to a monitor or video recording device for extended display or recording capabilities.

Includes

Rechargeable Lithium Ion battery (installed), 120/240VAC adapter/charger with 4 plugs (US, UK, EU, AU), 8GB microSD card, Software CD, USB cable, and a protective case.



Applications

Research & Development

Thermal imaging for material testing and product development.

Critical Infrastructure Monitoring

Airports, power plants & other installations requiring high-precision imaging.

Advanced Predictive Maintenance

Monitoring industrial processes with exceptional detail and accuracy.

Specialized Inspections

Ideal for advanced applications such as forensic analysis and specialized industrial studies.

Utility Infrastructure Maintenance

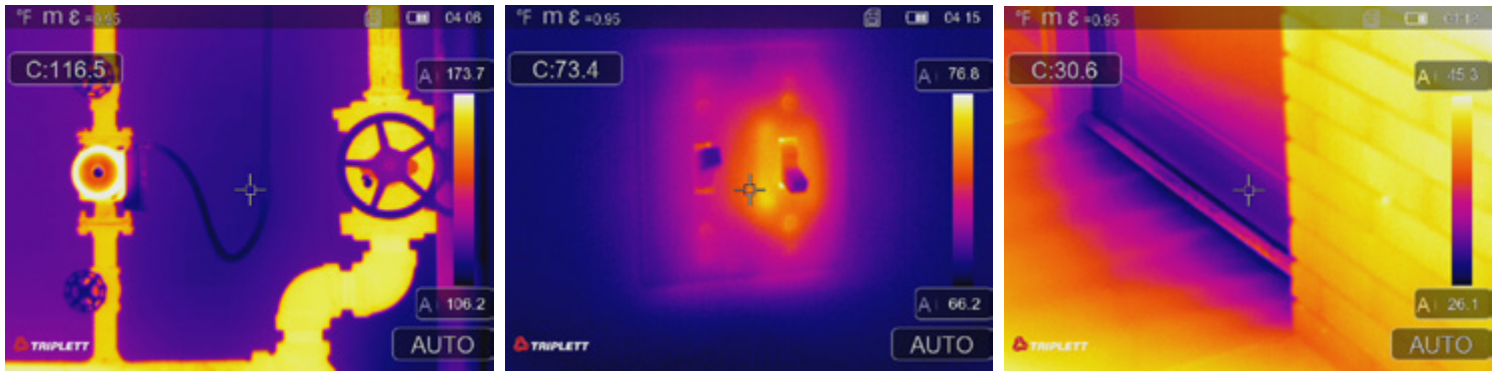
Detailed imaging of power lines, transformers, and high-voltage systems to ensure operational safety and efficiency.

Users

- Professional thermographers
- Advanced R&D professionals
- Industrial users requiring detailed thermal analysis
- Professional electricians
- Commercial electricians
- Professional building inspectors
- Utilities technicians

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Specifications

Temperature Range	-4 to 1022°F (-20 to 550°C)
IR Resolution	384 x 288 (110,592 pixels)
Thermal Sensitivity/NETD	≤50mk
Basic Accuracy	±2% or ±2°C (3.6°F)
FOV	41.5° x 31.1°
Minimum Focus Distance	19.7" (0.5m) Manual Focus
Image Frequency	25Hz
Spectral Response	8-14μm
Emissivity	Adjustable 0.01 to 1.0
Visible Light Resolution	2MP (1600 x 1200)
Image Display Mode	Infrared/Visible Light/PIP/Fusion
Screen Size	3.5" (89mm) Touchscreen
Display Resolution	640 x 480 pixels
Color Display Palettes	: Iron, Rainbow, White hot, Black hot, Brown hot, Blue red, Hot cold, Feather
Video/Image Storage	(Built-in 3.4G) MP4/JPG or HIR / 8GB microSD card (included)
Image Gallery	Yes
PC Interface	USB, Wifi (Android OS only)
Power	Rechargeable Lithium Ion
Dimensions	8.8 x 3 x 3.8" (224 x 77 x 96mm)
Weight	1.1lbs (500g)

Ordering Information:

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What's in the Box?

IRTC950
Rechargeable Lithium Ion battery (installed)
120/240VAC adapter/charger with 4 plugs (US, UK, EU, AU)
8GB microSD card
Software CD
USB cable
carrying case
*Not for Export

